IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the patent application of Maier et al.

National Phase of PCT/CH99/00289

U.S. Serial No. [not yet assigned]

Filing date: December 27, 2001

Title:

Solid Glucosamine Sulphate

Commissioner for Patents Washington, D.C. 20231

AMENDMENT

Sir:

Please amend this application by deleting claims 1 - 14 and adding the new claims attached. Calculate the filing fee on the basis of the new claims (no multiple dependency).

Charles W. Fallow Reg. No. 28,946

Shoemaker and Mattare, Ltd. 2001 Jefferson Davis Highway Arlington, Virginia 22202

(703) 415-0810

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- U.S. National Phase of PCT/CH99/00289 -- new claims added December 26, 2001 15. A solid formulation of glucosamine sulphate or a mixed salt thereof, in an effervescent preparation.
- 16. A formulation according to claim 15, wherein the formulation comprises 500-2000 mg glucosamine sulphate or a mixed salt thereof in a single dose.

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- 17. A formulation according to claim 15, wherein the formulation comprises 750-1500 mg glucosamine sulphate or a mixed salt thereof in a single dose.
- 18. A formulation according to claim 15, further comprising a fruit acid for improving storage stability.
- 19. A formulation according to claim 18, wherein the weight ratio of the glucosamine sulphate or a mixed salt thereof to said fruit acid is from 0.2:1 to 5:1
- 20. A formulation according to claim 18, wherein the weight ratio of the glucosamine sulphate or a mixed salt thereof to said fruit acid is from 0.2:1 to 2:1
- 21. A formulation according to claim 18, wherein the weight ratio of the glucosamine sulphate or a mixed salt thereof to said fruit acid is from 0.5:1 to 1:1.
- 22. A formulation according to claim 18, wherein said fruit acid is hydroxlyated.
- 23. A formulation according to claim 18, wherein said fruit acid is an aliphatic carboxylic organic acid
- 24. A formulation according to claim 18, wherein said fruit acid is selected from the group consisting of citric, tartric, glutaric, lactic, malic and gluconic acids, and

mixtures thereof.

- 25. A formulation according to claim 18, wherein said fruit acid has at least two carboxylic groups.
- 26. A formulation according to claim 18, wherein said fruit acid is citric acid.
- 27. A formulation according to claim 18, wherein said fruit acid is crystalline citric acid.
- 28. A formulation according to claim 18, wherein said fruit acid is anhydrous.
- 29. A formulation according to claim 15, wherein the mixed salt is a glucosamine sulphate hydrochloride.
- 30. A formulation according to claim 15, wherein the mixed salt is a glucosamine sulphate potassium chloride.
- 31. A formulation according to claim 15, further comprising an anti-oxidant.
- 32. A formulation according to claim 15, produced by a method comprising steps of spraying a mixture of glucosamine sulphate or a mixed salt thereof and a fruit acid with water in a spray dryer, and then

drying the formulation to a water content of at most 1.5% by weight.

- 33. A formulation according to claim 32, wherein said water content is at most 0.5% by weight.
- 34. A formulation according to claim 32, wherein said fruit acid is citric acid.